هيكل اختبار نهاية الفصل



تم تحميل هذا الملف من موقع المناهج الإماراتية	
موقع المناهج ⇦ المناهج الإماراتية ⇦ الصف الثالث ⇦ رياضيات ⇦ ⇦ ملفات متنوعة ⇦ الملف	
تاريخ إضافة الملف على موقع المناهج: 15-11-2026 09:10:40	
ملفات ا كتب للمعلم ا كتب للطالب ا اختبارات الكترونية ا اختبارات ا حلول ا عروض بوربوينت ا أوراق عمل منهج انجليزي ا ملخصات وتقارير ا مذكرات وبنوك ا الامتحان النهائي ا للمدرس	المزيد من مادة رياضيات:
إعداد: Alhammadi Farida	

التواصل الاجتماعي بحسب الصف الثالث					
صفحة المناهج الإماراتية على فيسبوك					
المواد على تلغرام	التربية الاسلامية	اللغة العربية	اللغة الانجليزية	الرياضيات	

المزيد من الملفات بحسب الصف الثالث والمادة رياضيات في

تحميل تطبيق المناهج للهواتف الذكية	
تطبيق المناهج على App Store (آبل)	تطبيق المناهج على Play Google (أندرويد)

UNITED ARAB EMIRATES
MINISTRY OF EDUCATION
AL AIN SCHOOL

الإمارات العربية المتحدة
وزارة التربية والتعليم
روضة ومدرسة السلع



بالميثاق نبلغ الآفاق

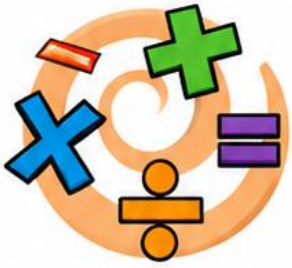
العام الدراسي 2026 - 2027

الميثاق الوطني للتعليم

EoT_T1_Coverage_Grade 3

هيكل مادة الرياضيات للصف الثالث

الفصل الدراسي الأول



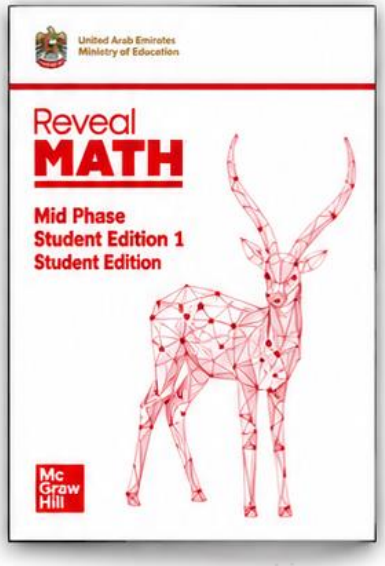
Math Teacher:

Farida Alhammadi





Good Luck!



School Principal :

Bakheeta Almansoori

almanahj.com/ae
2026 2025
موقع المناهج الإماراتية

UNITED ARAB EMIRATES
MINISTRY OF EDUCATION

الإمارات العربية المتحدة
وزارة التربية والتعليم

End of Term 1 Exam Coverage	هيكل اختبار نهاية الفصل الدراسي الأول
Grade 3 - Mathematics	**الصف الثالث - الرياضيات**
Academic Year 2026-2027	العام الدراسي 2026-2027
Reveal	ريفيل

عدد الأسئلة Number of questions	درجة السؤال Marks per question	الدرجة القصوى Maximum grade
20 5	(3) (6-10)	100

مدة الاختبار Exam duration	طريقة التطبيق Mode of implementation	الآلة الحاسبة Calculator
120 دقيقة 120 minutes	ورقي Paper	يُمنع استخدام الآلة الحاسبة The use of a calculator is not allowed

Question type	Q	Learning outcome	Reference	Page
أسئلة اختيار من متعدد Multiple Choice Questions	Q1	Round numbers to the nearest 10 or nearest 100.	(3-6)	39
	Q2	Use compatible numbers to estimate a sum or difference.	(1-6)	45
	Q3	Apply the properties of addition when adding two or more addends.	(1-4)	49
	Q4	Identify addition patterns and use the patterns to help determine sums of 3-digit numbers and check their accuracy.	Work Together (1-6)	52 53
	Q5	Decompose one number in different ways to subtract.	Learn (3,4)	60 61
	Q6	Use related addition equations to find the difference.	(1-3)	69
	Q7	Explain different strategies to add 3-digit numbers.	Learn (1-6)	72 73

Question type	Q	Learning outcome	Reference	Page
أسئلة اختيار من متعدد Multiple Choice Questions	Q8	Explain the meaning of multiplication as equal groups.	(7,8)	93
	Q9	Demonstrate an understanding of the Commutative Property of Multiplication.	(1,2,7)	103
	Q10	Represent division with equal sharing.	(7,8)	107
	Q11	Use representations to determine the unknown in a multiplication or division equation.	(1,2)	119
	Q12	Describe and use patterns to multiply by 2.	(1-3)	131
	Q13	Describe and use patterns to multiply by 5.	(12,13)	136
	Q14	Describe and use patterns to multiply by 10.	(11-13)	142
	Q15	Describe and use patterns to multiply with 0 and 1.	(7-11)	145
	Q16	Apply the properties of multiplication to recall 3s facts.	(12,13) 13	170 195
	Q17	Apply the properties of multiplication to recall 4s facts.	(6-8)	173
	Q18	Apply the properties of multiplication to recall 8s facts.	(9-14)	182
	Q19	Apply the properties of multiplication to recall 7s and 9s facts.	(1-9)	185
	Q20	Represent a problem with arrays and an equation.	Learn 15	190 195

الأسئلة الموضوعية

MCQ (الاختيار من متعدد)

20 سؤال

كل سؤال 3 درجات

Q1 Round numbers to the nearest 10 or nearest 100. (3-6) 39

Page :39

Use place value to round.

3. Round 48 to the nearest 10.

_____

4. Round 273 to the nearest 10.

_____

Use a number line to round. Show your work.

5. Round 436 to the nearest 100.

6. Round 672 to the nearest 100.

Q2 Use compatible numbers to estimate a sum or difference. (1-6) 45

Page :45

What is a reasonable estimate of the sum or difference? Write or draw to show your thinking.

1. $423 + 168 = ?$

2. $? = 695 - 205$

3. $? = 317 + 248$

4. $473 + 218 = ?$

5. $798 - 307 = ?$

6. $? = 835 - 466$

manahj.com/ae

Q3	Apply the properties of addition when adding two or more addends.	(1-4)	49

Page :49

How can you make the equation true?

1. $218 + 325 = 325 + _____$
2. $465 + _____ = 78 + 465$
3. $529 + 407 = _____ + 529$
4. $_____ + 93 = 93 + 505$

Q4	Identify addition patterns and use the patterns to help determine sums of 3-digit numbers and check their accuracy.	Work Together (1-6)	52 53

Page :52

Work Together

Nisha writes $135 + 232 = 167$. She says her sum is correct because an odd number added to an even number equals an odd sum. Do you agree with her reasoning? Explain.

Q4	Identify addition patterns and use the patterns to help determine sums of 3-digit numbers and check their accuracy.	Work Together (1-6)	52 53

Page :53

What makes the equation true? Write *even* or *odd*. Then write two equations with 3-digit numbers to support your answer.

1. _____ = even + even
2. odd + even = _____
3. odd + _____ = even
4. even + odd = _____
5. even + _____ = even
6. _____ = odd + odd

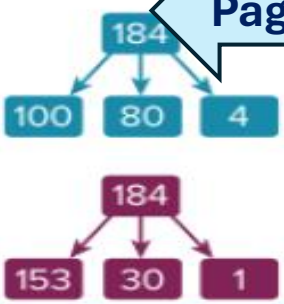
Q5	Decompose one number in different ways to subtract.	Learn (3,4)	60 61

Page :60

Learn

Samir and Jen subtract 353 − 184. Samir decomposes one number to subtract. Jen decomposes the same number in a different way to subtract.

Will Jen find the same difference as Samir?



One Way You can decompose one number by place value.

353 − 184 = ?

353 − 100 = 253
253 − 80 = 173
173 − 4 = 169
353 − 184 = 169

Another Way You can decompose one number in a different way.

353 − 184 = ?

353 − 153 = 200
200 − 30 = 170
170 − 1 = 169
353 − 184 = 169

One subtraction strategy is to decompose one number and then subtract the parts from the total. You can decompose numbers in different ways to subtract.

Math is... Explaining

Why is the difference the same when the number is decomposed differently?

Q5	Decompose one number in different ways to subtract.	Learn (3,4)	60 61

Page :61

How can you decompose one number to subtract? Why did you choose that way?

3. 495 – 122

4. 639 – 370

Q6	Use related addition equations to find the difference.	(1-3)	69

Page :69

How can you write a related addition equation for the subtraction equation?

1. 635 – 202 = ? _____

2. 400 – 151 = ? _____

3. 825 – 134 = ? _____

almanahj.com/ae 2026 2025

Page :72

Learn

Last year the library's collection of books grew from 350 to 722 books. This year 169 books were added to the library.

What strategies can you use to find the total number of books in the library?

Math is... Exploring

How can you decide which information in the problem is useful?

Partial Sums You can decompose each addend by place value and add the place values to find partial sums. Then add the partial sums to find the total.

$722 + 169 = ?$

$700 + 100 = 800$
$20 + 60 = 80$
$2 + 9 = 11$
$800 + 80 + 11 = \mathbf{891}$

$700 + 100$
$20 + 60$
$2 + 9$

722
$+169$
800
80
$+\ 11$
$\mathbf{891}$

Adjust Addends You can adjust the addends to numbers that are easier to work with. Subtract from one addend and add that amount to the other addend.

$722 + 169 = ?$

-1 $+1$

$721 + 170 = 891$

You can use any addition strategy to find the sum. You can decide which addition strategy is most efficient for you.

Page :73

How can you solve the equation?

1. 437 + 269 = _____

2. _____ = 123 + 443

3. _____ = 367 + 512

4. 791 + 111 = _____

5. **Error Analysis** Priya is adding 327 + 478. Priya adds 3 to 327 to add 330 + 478. Then she subtracts 3 from the sum. Do you agree with her strategy? Explain.

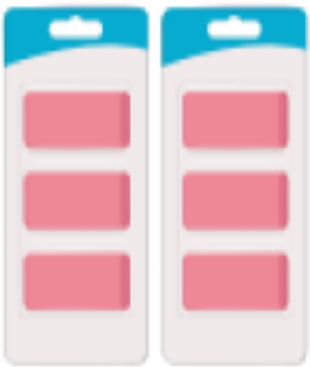
6. Sam adds 249 + 281 by writing his addends in a row. What is another way Sam can show 249 + 281?

almanahj.com/ae 2026 2025 موقع المناهج الإماراتية

Q8	Explain the meaning of multiplication as equal groups.	(7,8)	93

Page :93

What equation represents the equal groups?

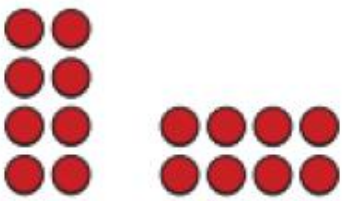
7. 

8. 

Q9	Demonstrate an understanding of the Commutative Property of Multiplication.	(1,2,7)	103

Page :103

1. What two multiplication equations represent these arrays?



2. Sam says that 6 × 2 and 2 × 6 have the same product. Do you agree with Sam? Explain why or why not.

7. **STEM Connection** Finn's construction team just finished placing windows in the building. What two multiplication equations can represent the total number of windows in the front of the building?



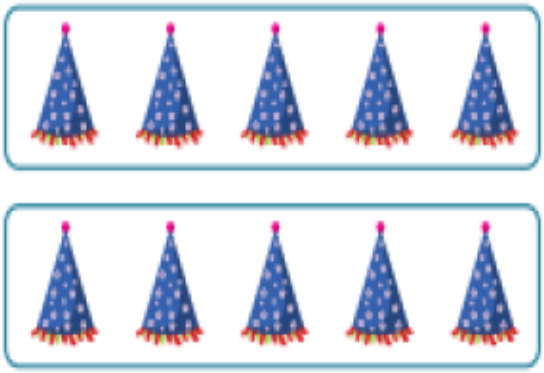


Q10	Represent division with equal sharing.	(7,8)	107

How can you write a division equation for the representation?

Page :107

7.



_____

8.



_____

Q11	Use representations to determine the unknown in a multiplication or division equation.	(1,2)	119

Page :119

Use the representation. What is the unknown?

1. 4 x _____ = 12



2. _____ x 7 = 21

X X X X X X X

X X X X X X X

X X X X X X X

almanahj.com/ae

Q12	Describe and use patterns to multiply by 2.	(1-3)	131

Page :131

1. Byron is making loaves of bread. He uses 2 cups of flour for each loaf. Complete the table to show how many cups of flour he needs for each number of loaves.

Loaves of Bread	Cups of Flour
5	
6	
7	

2. Arya is buying balloons for her two brothers. She wants to give them both the same number of balloons. How can you write an equation to represent the total number of balloons Arya might buy?

3. Peter is cooking potatoes in a large pot. The recipe calls for 2 minutes of boiling for every pound of potatoes. How many minutes will it take Peter to cook 8 pounds of potatoes?

Q13	Describe and use patterns to multiply by 5.	(12,13)	136

Page :136

12. Mary Lou does 5 jumping jacks. If she does the same number of jumping jacks for 4 days in a row, how many jumping jacks does Mary Lou do?

13. Sara puts the same number of fish shown in each of 5 tanks. How many fish does she have?



Q14	Describe and use patterns to multiply by 10.	(11-13)	142

Page :142

11. There are 3 logs in the pond. There are 10 frogs on each log. How many frogs are there?

12. Larry walks 5 miles in a week. He walks the same number of miles for 10 weeks. How many miles does Larry walk?

13. Which equations are true? Circle all that are correct.

A. $5 \times 8 = 4 \times 10$

B. $3 \times 5 = 3 \times 10$

C. $10 + 10 = 10 \times 10$

D. $10 + 10 = 2 \times 10$

Q15	Describe and use patterns to multiply with 0 and 1.	(7-11)	145

Page :145

7. Kelly and Yusif want to share a box of crackers. They open the box and share all of the crackers in the box. They each get 0 crackers. How many crackers were in the box?

8. Eli checks out some books from the library. He reads 1 book per day. How many days will it take Eli to read all his books?

ahj.com/ae 2026 2025

Q15	Describe and use patterns to multiply with 0 and 1.	(7-11)	145

Page :145

9. Carter starts playing a new game. He completes 0 levels per day for a week. How many levels will Carter complete by the end of the week?

10. Mr. Mustafa buys 1 jersey for each player on his daughter's team. There are 9 players. How can you write an equation to find the number of jerseys he buys?

11. There are 3 bins. Each bin has 1 book. How can you write an equation to show the number of books there are?

Q16	Apply the properties of multiplication to recall 3s facts.	(12,13) 13	170 195

Page :170

Choose the correct answer.

12. Which is equal to 3×9?

A. $2 \times 9 + 7 \times 9$

B. $2 \times 1 + 7 \times 9$

C. $3 \times 9 + 1 \times 9$

D. $2 \times 9 + 1 \times 9$

13. Which is equal to 3×6?

A. $2 \times 6 + 1 \times 6$

B. $2 \times 1 + 3 \times 3$

C. $3 \times 6 + 1 \times 6$

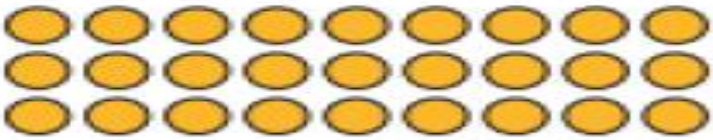
D. $3 \times 3 + 1 \times 2$

almanahj.com/ae 2026 2025 موقع المناهج الإماراتية

Q16	Apply the properties of multiplication to recall 3s facts.	(12,13) 13	170 195

Page :195

13. Which equation represents how to find the product for this array? (Lesson 5-2)



A. $3 \times 9 = 3 \times 5 + 3 \times 4$

B. $3 \times 9 = 3 \times 3 + 5 \times 6$

C. $3 \times 9 = 3 \times 5 + 5 \times 5$

D. $3 \times 9 = 3 \times 3 + 3 \times 3$

Q17	Apply the properties of multiplication to recall 4s facts.	(6-8)	173

Page :173

How can you decompose to solve the problem? Show your thinking.

6. Mrs. Turner uses 9 eggs every week to make breakfast for her family. How many eggs does she use in 4 weeks?

7. Tyler made 4 friendship bracelets for each of his friends. How many bracelets did he make if he has 8 friends?

8. Luis babysits for 4 hours. He makes $6 per hour. How much does he make in all?

Q18	Apply the properties of multiplication to recall 8s facts.	(9-14)	182

Page :182

How can you complete the equation?

9. ____ = 3 x 8

10. 7 x 8 = ____

11. 6 x 8 = ____

12. ____ = 10 x 8

13. 8 x 4 = ____

14. 8 x 8 = ____

Q19	Apply the properties of multiplication to recall 7s and 9s facts.	(1-9)	185

Page :185

What number completes the equation?

1. 7 x 9 = ____

2. 9 x 6 = ____

3. ____ x 9 = 18

4. 5 x 7 = 7 x ____

5. ____ x 7 = 21

6. ____ = 7 x 7

7. 9 x 9 = ____

8. ____ x 10 = 10 x 9

9. 8 x 7 = ____

almanahj.com/ae

Learn

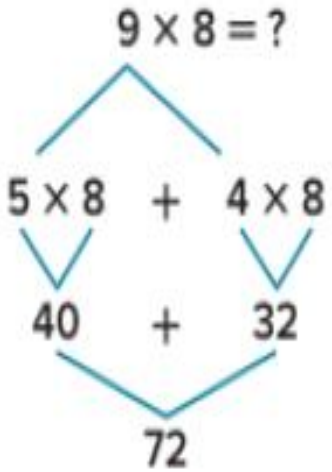
Kyla needs to add 8 flags to each of 9 swimming pool lanes for an upcoming meet.

How many flags does she need in total?

Draw an array and write an equation to represent the unknown in the problem.



Decompose a factor to help you find the product.



9 × 8 = **72**

Kyla needs 72 flags.

You can represent a multiplication problem with an array and equation.

You can decompose a factor to help you solve the problem.

Math is... Structure

How could you decompose 8, instead of 9, to solve the problem?

15. Denise has 5 packs of pencils with 8 pencils each. Which array could you use to find the number of pencils she has in all? (Lesson 5-7)

A. 

B. 

C. 

D. 

almanahj.com/ae

أسئلة مقالية Free Response Questions	Q21	(a,b) Represent 4-digit numbers in expanded form, word form, and standard form using an understanding of place value.	Learn 8
	Q22	Write and solve equations to represent a two-step problem. Use letters for unknowns.	Learn (5-7)
	Q23	(a,b,c) Use arrays to represent multiplication.	Learn 8
	Q24	Represent a problem with equal groups and an equation. Use equal groups to solve an equation.	Learn (1-4)
	Q25	(a) Demonstrate an understanding of the Distributive Property. (b) Apply the properties of multiplication to recall 6s facts.	(7-10) (5-7)

الأسئلة المقالية (الأسئلة الكتابية) FRQ

5 أسئلة

الدرجات : 6-10 درجات

Page :34

Learn

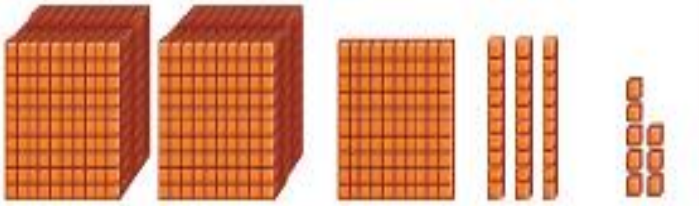
What are some ways to represent this number?



You can use a place-value chart.

thousands	hundreds	tens	ones
2	1	3	8

You can use base-ten blocks.



2 cubes 2,000 | 1 flat 100 | 3 rods 30 | 8 units 8

You can read and write the number in different forms.

standard form 2,138

expanded form 2,000 + 100 + 30 + 8

word form two thousand, one hundred thirty-eight

4-digit numbers have thousands, hundreds, tens, and ones.

Math is... Generalizations

How is representing 4-digit numbers the same as representing 3-digit numbers?

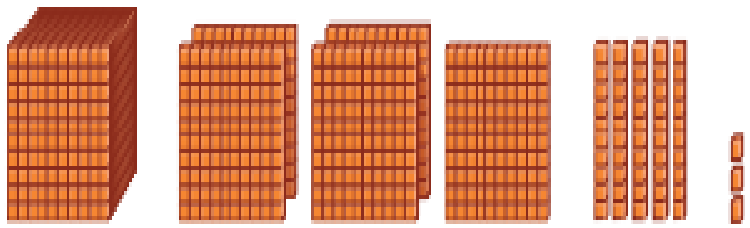
Q21 (a,b) Represent 4-digit numbers in expanded form, word form, and standard form using an understanding of place value.

Learn 34
8 36

Page :36

How can you represent the number shown in standard form and expanded form?

8.



_____ _____

Q22 Write and solve equations to represent a two-step problem.
Use letters for unknowns.

Learn 80
(5-7) 81

Page :80

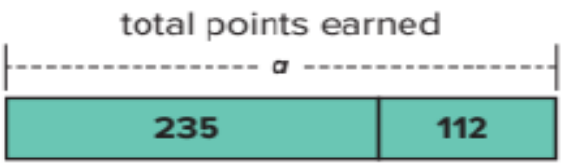
Learn

Lea earns 235 points playing her favorite dance video game. She plays the next level and earns 112 more points. Lea needs 475 points to buy a new song for the game.

How many more points does Lea need to buy a new song?

Math is... Modeling
How can you represent this problem in different ways?

Step 1 Determine how many points Lea has earned.

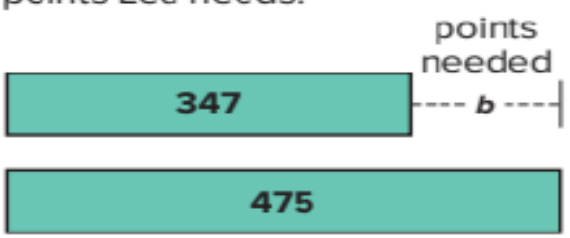


$235 + 112 = a$

$235 + 112 = \mathbf{347}$

Lea has 347 points.

Step 2 Determine how many more points Lea needs.



You can use a letter to represent the unknown.

$475 - 347 = b$

$475 - 347 = \mathbf{128}$

Lea needs 128 more points.

You can represent each step in a two-step problem using an equation with a letter for the unknown.

almanahj.com/ae

Q22	Write and solve equations to represent a two-step problem. Use letters for unknowns.	Learn (5-7)	80 81

Page :81

Represent and solve the problem. Use letters for the unknowns.

5. Sam and Ben take turns driving. They traveled 417 miles in May and 454 miles in June. If Sam drove 502 of the miles, how many miles did Ben drive?

6. Jaya earned $187 babysitting. She bought a wireless speaker for $129 and a carrying case for $26. How much money does she have left?

7. Judy has 323 beads. Sarah has 142 more beads than Judy. How many beads do they have together?

Learn

Greta needs 15 eggs.



If she buys this carton of eggs, will she have enough eggs? How do you know?

The eggs are in an **array**. The eggs are in rows. Each row has the same number of eggs.

3 rows



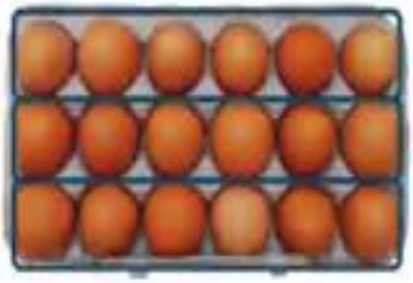
6 eggs in each row

You can use addition.



$6 + 6 + 6 = 18$

You can use multiplication.



$3 \times 6 = 18$

factors product

Greta has enough eggs.

Arrays have rows of equal groups or columns of equal groups.

Arrays represent multiplication.

Math is... Structure

What is another way to represent 3 groups of 6?

Q23	(a,b,c) Use arrays to represent multiplication.	Learn 8	96 98

Page :98

8. Hyun has a carton of eggs. There are 2 rows of eggs with 6 eggs in each row.

   a. Draw an array to represent the problem.

   b. Write an equation to represent the problem.

   c. How many eggs does Hyun have?

   _____ eggs

Q24	Represent a problem with equal groups and an equation. Use equal groups to solve an equation.	Learn (1-4)	152 153

Page :152

Learn

There are 20 children in 5 equal groups on the sky ride.

How many children are in each group?

▶ **One Way** Use multiplication to represent the problem.

$5 \times ? = 20$



$5 \times \mathbf{4} = 20$

▶ **Another Way** Use division to represent the problem.

$20 \div 5 = ?$



$20 \div 5 = \mathbf{4}$

There are 4 children in each group.

You can use a multiplication equation or a division equation to represent and solve problems involving equal groups.

Math is... Patterns

How can you use multiplication patterns to check that your solution is correct?

Page :153

How can you write a multiplication and division equation for the problem? Write a ? for the unknown.

1. Eight friends share 40 apple slices. If each friend receives the same amount of apple slices, how many does each person receive?

2. Bobbie, Wendy, and Winston spent a total of $21 to go to the movies. If it cost each person the same amount, how much did each person spend?

3. Jermaine ran 56 minutes over seven days. If he ran the same amount of time each day, how many minutes did he run each day?

4. June earns $25 for working five hours. If she earns the same amount each hour, how much does she get paid per hour?

Q25	(a) Demonstrate an understanding of the Distributive Property. (b) Apply the properties of multiplication to recall 6s facts.	(7-10) (5-7)	166 177

Page :166

(a) Demonstrate an understanding of the Distributive Property.

How can you decompose one of the factors to find the product?

7. $8 \times 6 = __ \times __ + __ \times __$

$8 \times 6 = __ + __$

$8 \times 6 = __$

8. $9 \times 7 = __ \times __ + __ \times __$

$9 \times 7 = __ + __$

$9 \times 7 = __$

9. $9 \times 8 = __ \times __ + __ \times __$

$9 \times 8 = __ + __$

$9 \times 8 = __$

10. $8 \times 4 = __ \times __ + __ \times __$

$8 \times 4 = __ + __$

$8 \times 4 = __$

Q25	(a) Demonstrate an understanding of the Distributive Property. (b) Apply the properties of multiplication to recall 6s facts.	(7-10) (5-7)	166 177

Page :177

(b) Apply the properties of multiplication to recall 6s facts.

How can you decompose to solve the problem? Show your thinking.

5. Paul packs 8 boxes of snack bags for a school picnic. There are 6 snack bags in each box. How many snack bags does Paul pack in all?

6. Roger places 5 basketballs in each crate. There are 6 crates. How many basketballs does Roger place in crates?

7. **Error Analysis** Brittany places action figures on 7 shelves with 6 on each shelf. She decomposes to find the total number of action figures. Do you agree with her work shown below? Explain.

$7 \times 6 = 4 \times 3 + 3 \times 3$

$7 \times 6 = 12 + 9$

$7 \times 6 = 21$