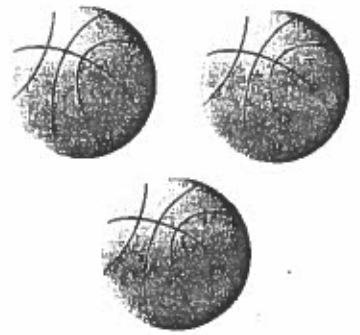


Chapter 9 Test Page 1

1. Elaine put 8 apples in 4 equal piles. Create a division sentence. How many apples are in each pile? and solve. Use a model or picture to support your answer. Show your work. Include a sketch.

$\overline{)3}$

2. 3 basketballs are shared among 3 friends. How many balls will each friend get? Include a sketch and a division sentence in your solution.



$\overline{)3}$

3. Calculate. Show your grouping using the models and answer.

a) $5 \div 1 = \underline{\hspace{2cm}}$ 


e) $20 \div 4 = \underline{\hspace{2cm}}$ 


b) $12 \div 3 = \underline{\hspace{2cm}}$ 

f) $5 \div 5 = \underline{\hspace{2cm}}$ 

c) $15 \div 3 = \underline{\hspace{2cm}}$ 


g) $6 \div 3 = \underline{\hspace{2cm}}$  $\overline{)16}$

d) $4 \div 4 = \underline{\hspace{2cm}}$ 


h) $16 \div 4 = \underline{\hspace{2cm}}$ 

$\overline{)21}$


Write two multiplication sentences for each model then relate to two division sentences:

4.  _____ X _____ = _____ _____ ÷ _____ = _____


4


 _____ X _____ = _____ _____ ÷ _____ = _____




 _____ X _____ = _____ _____ ÷ _____ = _____

4

 _____ X _____ = _____ _____ ÷ _____ = _____

 _____ X _____ = _____ _____ ÷ _____ = _____

4

 _____ X _____ = _____ _____ ÷ _____ = _____

5. Use the multiplication sentence to calculate the quotient.

4

a) $3 \times 7 = 21$, so $21 \div 7 =$ _____

c) $6 \times 5 = 30$, so $30 \div 5 =$ _____

b) $8 \times 9 = 72$, so $72 \div 8 =$ _____

d) $5 \times 7 = 35$, so $35 \div 5 =$ _____

6. Calculate, then write a related division sentence.

10

a) $4 \times 3 =$ _____

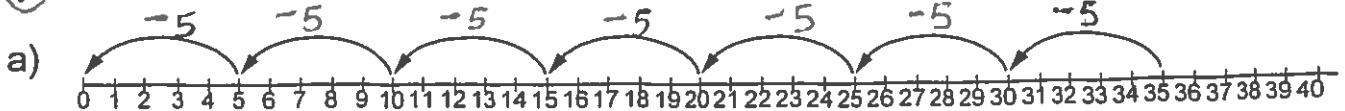
b) $2 \times 9 =$ _____

c) $6 \times 7 =$ _____

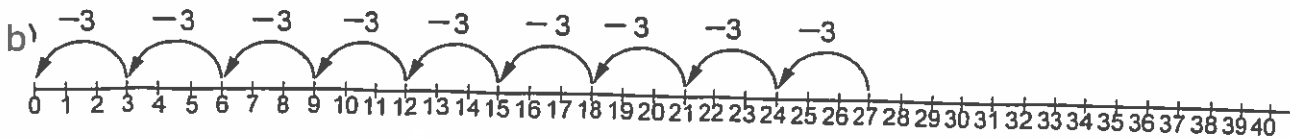
d) $1 \times 10 =$ _____

e) $9 \times 7 =$ _____

7. What division does each number line show?

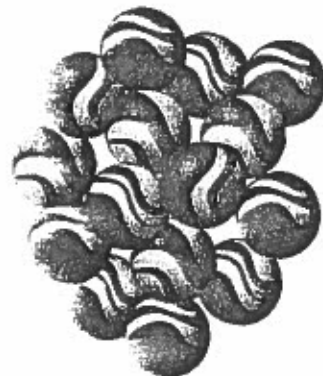


2 _____ 35 ÷ _____ = _____



3 _____ ÷ _____ = _____

8. a) Jessica has 15 marbles she wants to put into 5 bags.
How many marbles will she put in each bag?
Make an array to show your solution.



- b) Write a division sentence and a multiplication sentence for the problem.

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_____ ÷ _____ = _____

_____ × _____ = _____

9. Explain how $6 \div 2 = \square$ could show sharing and how it could show grouping.

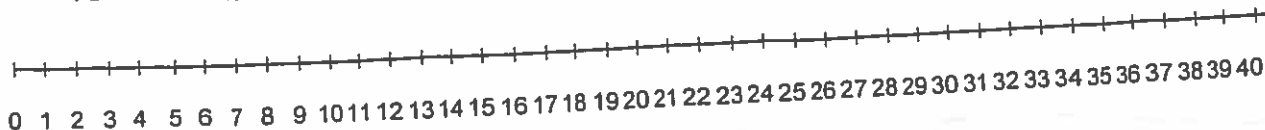
Sharing: $6 \div \square = 2$

Grouping: $6 \div 2 = \square$

4

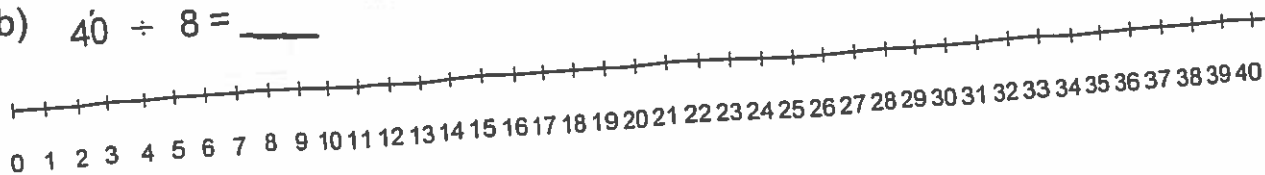
10. Show each division on a number line. Write the quotient. (Skip subtracting)

a) $40 \div 4 = \underline{\quad}$



4

b) $40 \div 8 = \underline{\quad}$



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