

GOESINTAS

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I am learning to solve "How many sets of..." and "sharing" division problems using multiplication.

PRIOR KNOWLEDGE REQUIRED: To do this I need to be quick and accurate at my "Long Jump" problems where I used repeated addition and multiplication facts to answer division problems.

1)

Question	Answer	Question	Answer
a) $12 \div 3 =$		f) $42 \div 6 =$	
b) $15 \div 5 =$		g) $8 \div 2 =$	
c) $63 \div 9 =$		h) $35 \div 5 =$	
d) $54 \div 6 =$		i) $66 \div 11 =$	
e) $28 \div 7 =$		j) $60 \div 6 =$	

NEW STRATEGY USING MATERIALS:

You may need to use a hundreds array to help you answer these questions.

2) Solve these.

Multiplication	Division	Multiplication	Division
a) $3 \times \dots = 15$	$15 \div \dots = 3$	f) $2 \times \dots = 18$	$18 \div \dots = 2$
b) $6 \times \dots = 36$	$36 \div \dots = 6$	g) $7 \times \dots = 42$	$42 \div \dots = 7$
c) $9 \times \dots = 81$	$81 \div \dots = 9$	h) $3 \times \dots = 21$	$21 \div \dots = 3$
d) $6 \times \dots = 54$	$54 \div \dots = 6$	i) $8 \times \dots = 32$	$32 \div \dots = 8$
e) $10 \times \dots = 50$	$50 \div \dots = 10$	j) $3 \times \dots = 33$	$33 \div \dots = 3$

NEW STRATEGY USING IMAGING:

3) Do not use hundreds arrays to answer these.

Question	Answer	Question	Answer
a) $80 \div 8 =$		f) $14 \div 7 =$	
b) $63 \div 9 =$		g) $18 \div 6 =$	
c) $42 \div 6 =$		h) $48 \div 8 =$	
d) $35 \div 5 =$		i) $55 \div 11 =$	
e) $24 \div 2 =$		j) $60 \div 10 =$	

WORD PROBLEMS USING NUMBER PROPERTIES.

Write out the multiplication and division equations which can help you answer these questions.

4) The teacher needed 36 doughnuts for camp. They come in packs of 6. How many packs of doughnuts does he need to buy?

5) Jack and Jill have to share 18 sweets between them. How many do they get each?

6) Karen has 72 stickers to share evenly between 9 people. How many stickers do they get each?

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(B)

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PRIOR KNOWLEDGE REQUIRED: To do this I need to be quick and accurate at my "Long Jump" problems where I used repeated addition and multiplication facts to answer division problems.

1)

Question	Answer	Question	Answer
a) $16 \div 2 =$		f) $32 \div 4 =$	
b) $12 \div 3 =$		g) $49 \div 7 =$	
c) $15 \div 3 =$		h) $32 \div 8 =$	
d) $12 \div 4 =$		i) $45 \div 9 =$	
e) $8 \div 4 =$		j) $63 \div 9 =$	

NEW STRATEGY USING MATERIALS:

You may need to use a hundreds array to help you answer these questions.

2) Solve these.

Multiplication	Division	Multiplication	Division
a) $2 \times \dots = 18$	$18 \div \dots = 2$	f) $4 \times \dots = 24$	$24 \div \dots = 4$
b) $7 \times \dots = 42$	$42 \div \dots = 7$	g) $8 \times \dots = 32$	$32 \div \dots = 8$
c) $9 \times \dots = 63$	$63 \div \dots = 9$	h) $8 \times \dots = 16$	$16 \div \dots = 8$
d) $5 \times \dots = 20$	$20 \div \dots = 5$	i) $3 \times \dots = 15$	$15 \div \dots = 3$
e) $10 \times \dots = 30$	$30 \div \dots = 10$	j) $4 \times \dots = 12$	$12 \div \dots = 4$

NEW STRATEGY USING IMAGING:

3) Do not use hundreds arrays to answer these.

Question	Answer	Question	Answer
a) $72 \div 8 =$		f) $25 \div 5 =$	
b) $55 \div 11 =$		g) $80 \div 8 =$	
c) $24 \div 6 =$		h) $36 \div 6 =$	
d) $40 \div 8 =$		i) $12 \div 3 =$	
e) $16 \div 4 =$		j) $36 \div 9 =$	

WORD PROBLEMS USING NUMBER PROPERTIES.

Write out the multiplication and division equations which can help you answer these questions.

4) A tennis tournament needs 80 balls. They come in packs of 10. How many packs do they need?

5) Paul made 72 muffins. He can only fit 9 in a container. How many containers does he need?

6) Andrew and Kate have 14 sweets which they need to share evenly. How many do they get each?