NAME _____   DATE _____

Multiplication & Division Problems

1 Fill in the missing numbers.

$$
\begin{array}{r} 6 \\ \times\ \square \\ \hline 4\ \ 8 \end{array}
\qquad
\begin{array}{r} 8 \\ \times\ \square \\ \hline 1\ \ 6 \end{array}
\qquad
\begin{array}{r} \square \\ \times\ 5 \\ \hline 4\ \ 0 \end{array}
\qquad
\begin{array}{r} \square \\ \times\ 6 \\ \hline 5\ \ 4 \end{array}
\qquad
\begin{array}{r} 4 \\ \times\ \square \\ \hline 2\ \ 8 \end{array}
$$

$$
\begin{array}{r} 5 \\ \times\ \square \\ \hline 4\ \ 5 \end{array}
\qquad
\begin{array}{r} 6 \\ \times\ \square \\ \hline 3\ \ 0 \end{array}
\qquad
\begin{array}{r} \square \\ \times\ 7 \\ \hline 4\ \ 9 \end{array}
\qquad
\begin{array}{r} \square \\ \times\ 4 \\ \hline 1\ \ 6 \end{array}
\qquad
\begin{array}{r} 8 \\ \times\ \square \\ \hline 5\ \ 6 \end{array}
$$

2 Write an equation to answer each question below.

Question	Equation	Answer
ex How many quarters are in 75¢?	$75 \div 25 = 3$	3 quarters
a How many cartons of 12 eggs make 36 eggs altogether?		
b There are 6 cans of soda in a pack. How many packs make 42 cans?		
c There are 24 cans of soda in a case. How many cases make 72 cans?		
d There are 3 tennis balls in a can. How many cans make 27 balls?		
e Jim rides his bike at 10 miles per hour. How many hours will it take him to ride 30 miles?		

NAME _____ DATE _____

Baking Cookies & Drying Clothes

1 Anne is baking giant cookies with her dad. They are baking them in batches of 8. If they made 36 cookies, how many batches did they have to bake? Show all your work.

2 Joe was doing his laundry at the laundromat. The dryer went for 15 minutes every time he put a quarter in it. He wanted to leave as soon as possible, so he kept checking on his clothes to see if they were dry. If his clothes were done drying in 50 minutes, how much money did Joe spend on the dryer? Show all your work.

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Number Patterns

1 Complete the count-by patterns below.

a 3, 6, 9, _____, _____, 18, 21, _____, _____, _____

b 5, 10, 15, _____, 25, _____, 35, _____, _____

c 15, 30, 45, _____, _____, 90, _____

2 Is 105 divisible by 3, 5, or both? Explain how you know.

3a Circle all the multiples of 6.

1	2	3	4	5	(6)	7	8	9	10
11	(12)	13	14	15	16	17	(18)	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

b Circle all the multiples of 8.

1	2	3	4	5	6	7	(8)	9	10
11	12	13	14	15	(16)	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

c Which numbers between 1 and 100 are multiples of both 6 and 8?

CHALLENGE

d How many numbers between 1 and 250 are multiples of both 6 and 8? Explain your answer.

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Snacks for the Field Trip

1 Mrs. Ramos is taking 32 students on a field trip. She wants to provide snacks for the students to eat. Granola bars come in boxes of 8 and cost $2.50 per box. Apples come in bags of 4 and cost $1.50 per bag. Packages of peanut butter crackers come in boxes of 16 for $4.69. At these prices, which of the snacks has the cheapest price per item: granola bars, apples, or peanut butter crackers?

a Restate the question in your own words:

b Underline the information in the problem you need to solve the problem.

c Solve the problem. Show all your work.

d Does your answer make sense? Explain how you can tell by using estimation or thinking about the problem in another way.