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TEACH YOUR CHILDREN WELL

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Sample Booklet

NOTE: This is just a sample booklet. It ONLY CONTAINS A SMALL NUMBER OF PAGES from the COMPLETE BOOKLET.

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This booklet is part of the



Maths Wizard

Pre-test 1 and Post-test 1	Converting Fractions
Pre-test 2 and Post-test 2	Comparing %, dec, frac,
Pre-test 3 and Post-test 3	Fractions of whole numb
Pre-test 4 and Post-test 4	% of whole numbers
Fractions and Decimals 1 - 5	Converting fractions using the following denominators: 2, 3, 4, 5, 8, 10.
Fractions and Decimals 6 - 10	Comparing equivalent fractions using percentage (%), decimals, fractions and ratio.
Fractions and Decimals 11 - 15	Calculating fractions of whole numbers up to 100 using the following denominators: 2, 3, 4, 5, 8, 10.
Fractions and Decimals 16 - 20	Calculating percentages of whole numbers using the following percentages: 10%, 20%, 25, 50%.

Outcomes

- Compares equivalent fractions.
- Converts between various fractions, decimals and percentages.
- Calculates fractions of whole numbers.
- Calculates percentages of whole numbers.

Name:

Scores



	Correct	Time		Correct	Time
Pre-test 1			Post-test 1		
Pre-test 2			Post-test 2		
Pre-test 3			Post-test 3		
Pre-test 4			Post-test 4		
Worksheet 1			Worksheet 11		
Worksheet 2			Worksheet 12		
Worksheet 3			Worksheet 13		
Worksheet 4			Worksheet 14		
Worksheet 5			Worksheet 15		
Worksheet 6			Worksheet 16		
Worksheet 7			Worksheet 17		
Worksheet 8			Worksheet 18		
Worksheet 9			Worksheet 19		
Worksheet 10			Worksheet 20		



Name:

Fractions and Decimals - Pre Test 1

Date:

What did one penny say to the other? "Together we make cents."

Complete the Activity.

$$\frac{1}{2} =$$

$$\frac{2}{3} =$$

$$\frac{3}{4} =$$

$$\frac{4}{10} =$$

$$\frac{6}{8} =$$

$$\frac{2}{3} =$$

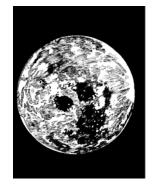
$$\frac{?}{8} =$$

$$^{(18)}$$
 0.2 =

$$^{9} \frac{6}{10} =$$

$$\frac{1}{8} = \frac{1}{8}$$

$$\frac{10}{5} =$$



Name: Date:

Equivalent %, dec, frac, ration - Pre 2

What is as big as an elephant and weighs nothing at all? An elephants shadow!

Complete the Activity.

	Percent	Decimal	Fraction	Ratio
1		0.45		
2		0.04		
3			<u>1</u> 50	
4	68%			
5	6%			
6				3 : 100
7				2 : 25
8				51 : 100
9	66%			
10			<u>99</u> 100	
11)	15%			
12		0.05		
13			9 10	
14)	10%			
15			<u>19</u> 25	
16		0.46		
17	9%			
18				39 : 50
19			<u>4</u> 5	
20			<u>41</u> 50	

Mason's Worksheets Score:



Date:

Fractions and Decimals - Pre test 3

What does a cow read every morning? A Moospaper!

Complete the Activity.

①
$$\frac{1}{2}$$
 of 88 =

$$^{(1)}$$
 40 × $\frac{2}{4}$ =

$$\frac{2}{3}$$
 of 18 =

$$^{(12)}$$
 24 × $\frac{7}{8}$ =

$$\frac{6}{8}$$
 of 48 =

$$\frac{4}{10}$$
 of 80 =

4
 8 x $\frac{5}{8}$ =

$$\frac{1}{4}$$
 of 84 =

$$\frac{3}{4}$$
 of 8 =

$$^{(5)}$$
 80 × $\frac{7}{10}$ =

$$95 \times \frac{3}{5} =$$

$$\frac{1}{3}$$
 of 90 =

$$^{\circ}$$
 35 × $\frac{4}{5}$ =

$$\frac{2}{5}$$
 of 15 =

$$\frac{2}{10}$$
 of 60 =

$$\frac{1}{10}$$
 of 30 =

$$9 \frac{5}{10}$$
 of 20 =

⁽¹⁹⁾
$$24 \times \frac{4}{8} =$$

$$\frac{8}{10}$$
 of 80 =

$$^{(20)}$$
 72 × $\frac{3}{8}$ =



Name:

Date:

% of Whole Numbers - Pre Test 4

Why can 't you tell a joke on ice? Because the ice will crack-up! Complete the Activity.



Fractions and Decimals - Pre Test 1

① $\frac{1}{2} = 0.5$

② $\frac{1}{3} = 0.333$

② $0.5 = \frac{1}{2}$

 $3\frac{1}{4} = 0.25$

 $^{\odot}$ 0.2 = $\frac{1}{5}$

 $\frac{7}{10} = 0.7$

 $0.3 = \frac{3}{10}$

 $0.8 = \frac{4}{5}$

© $0.625 = \frac{5}{8}$

 $\frac{2}{3} = 0.667$

① $\frac{4}{8} = 0.5$

① $0.25 = \frac{1}{4}$

 $0.375 = \frac{3}{8}$

[®] $0.2 = \frac{1}{5}$

 $9 \frac{6}{10} = 0.6$

 $\frac{1}{8} = 0.125$

 $\frac{2}{5} = 0.4$

 $0.75 = \frac{3}{4}$

Mason's Worksheets



Date:

Equivalent %, dec, frac, ration - Pre 2

	Percent	Decimal	Fraction	Ratio
1	45%	0.45	<u>9</u> 20	9 : 20
2	4%	0.04	<u>1</u> 25	1 : 25
3	2%	0.02	<u>1</u> 50	1 : 50
4	68%	0.68	<u>17</u> 25	17 : 25
5	6%	0.06	<u>3</u> 50	3 : 50
6	3%	0.03	<u>3</u> 100	3 : 100
7	8%	0.08	<u>2</u> 25	2:25
8	51%	0.51	<u>51</u> 100	51 : 100
9	66%	0.66	33 50	33 : 50
10	99%	0.99	<u>99</u> 100	99 : 100
11	15%	0.15	<u>3</u> 20	3:20
12	5%	0.05	1 20	1 : 20
13	90%	0.9	<u>9</u> 10	9 : 10
14	10%	0.1	10	1 : 10
15	76%	0.76	<u>19</u> 25	19 : 25
16	46%	0.46	<u>23</u> 50	23 : 50
177	9%	0.09	<u>9</u> 100	9 : 100
18	78%	0.78	<u>39</u> 50	39 : 50
19	80%	0.8	<u>4</u> 5	4:5
ை	82%	0.82	41	41 · 50



Fractions and Decimals - Pre test 3

① $\frac{1}{2}$ of 88 = 44

 11 40 × $\frac{2}{4}$ = $\frac{20}{}$

② $\frac{2}{3}$ of 18 = 12

(2) $24 \times \frac{7}{8} = 21$

③ $\frac{6}{8}$ of 48 = 36

 $\frac{4}{10}$ of 80 = $\frac{32}{10}$

 $4 \times \frac{5}{8} = 5$

 $\frac{1}{4}$ of 84 = 21

 $\frac{3}{4}$ of 8 = 6

 $9 \times \frac{7}{10} = 56$

 $95 \times \frac{3}{5} = \frac{57}{}$

 $\frac{1}{3}$ of 90 = 30

① $35 \times \frac{4}{5} = 28$

 $\frac{9}{5}$ of 15 = 6

 $\frac{2}{10}$ of 60 = 12

 $\frac{1}{10}$ of 30 = 3

 $9 \frac{5}{10}$ of 20 = 10

 9 24 × $\frac{4}{8}$ = 12

 $^{\odot}$ $\frac{8}{10}$ of 80 = 64

9 72 × $\frac{3}{8}$ = 27

Score:



% of Whole Numbers - Pre Test 4

^② 25% of 4 = 1 ^③ 20% of 10 = 2

^③ 10% of 30 = $\frac{3}{1000}$ ^③ 50% of 34 = $\frac{17}{1000}$

⁴ 25% of 4 = 1 ⁴ 25% of 8 = 2

^⑤ 10% of 130 = 13 ^⑤ 10% of 160 = 16

⁶ 25% of 60 = 15 ¹⁸ 10% of 50 = 5

^① 50% of 24 = 12 ^① 25% of 72 = 18

[®] 50% of 18 = 9

⁹ 50% of 36 = 18

⁽⁹⁾ 20% of 5 = 1

⁽⁰⁾ 10% of 100 = 10 ⁽²⁾ 10% of 180 = 18

Mason's Worksheets