Grade Eight Math Assignment 2015 Chapter Three: Fractions PRACTICE

Name: $\qquad$

1. What is $\frac{23}{4}$ as a mixed number?


| A) $5 \frac{1}{4}$ |
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| B) $5 \frac{1}{2}$ |
| C) $5 \frac{3}{4}$ |

2. What is the best estimate of $5 \frac{8}{9} \div \frac{4}{9}$ ?
A) $\frac{1}{2}$

$$
6 \div \frac{1}{2}
$$

B) 3
C) 10
D) 12

3. Which expression is best represented by the model?
A) $\frac{1}{4} \times \frac{3}{4}$
B) $\frac{1}{4} \times \frac{3}{5}$
C) $\frac{3}{20} \times \frac{3}{5}$

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D) $\frac{3}{5} \times \frac{1}{4}$
4. What is $\frac{2}{3}+\frac{2}{3}+\frac{2}{3}+\frac{2}{3}$ written as a multiplication statement?
A) $3 \times \frac{2}{3}$
B) $3 \times 4$
C) $4 \times \frac{2}{3}$
D) $4 \times \frac{3}{2}$
5. Which multiplication statement is modelled?
A) $\frac{3}{7} \times \frac{4}{7}$
B) $3 \times \frac{4}{7}$

C) $5 \times \frac{4}{7}$

Ssets of $\frac{4}{7}$
6. Which multiplication equation is modelled below?


Section 2-Show All workings!



Joanne give $\frac{1}{2}$ of her candy to her brother. If she has 10 candies, how many does her brother get?
© Answers will vary *

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\begin{array}{ll}
\frac{3}{5} \text { "of" } 1 \frac{2}{3} & \rightarrow \frac{3}{5} \times 1 \frac{2}{3} \\
& =\frac{1}{15} \times \frac{5}{5} \\
\text { He has eaten } \\
& =\frac{1}{1} \\
& =1
\end{array}
$$

6. Chris ate 2 slices of cake and Stephanie ate 1 slice. If Christopher ate $1 / 2$ of the cake and all the slices were the same size, what fraction of the cake remained after Christopher and Stephanie had eaten? A diagram may help.

7. Monica and Ryan shared 18 cookies. Monica ate $1 / 6$ of the cookies. Ryan ate $1 / 3$ of the cookies. How many cookies were left?


$$
18-3-6=9
$$


8. McDonald sell milkshakes in two sizes. A small milkshake is 300 ml and a large milkshake contains $\frac{2}{3}$ more.
A) How many ml are in a large milkshake in total?
[2 marks]
$300 \times \frac{2}{3}=\frac{600}{3}=200 \mathrm{ml}^{1}$ extra
So, $300+200=500 \mathrm{~mL}$

B) If Sally drinks $\frac{2}{3}$ of a SMALL milkshake and Ed drinks $\frac{1}{2}$ of a LARCE milkshake, who drinks the most?

[2 marks]

$=\frac{500}{2}$


