

Section 6.3

Use manipulatives or diagrams to answer #1 to #5.

1. $\frac{1}{6} \div 3$

2. $\frac{3}{4} \div 2$

3. $\frac{2}{3} \div 4$

4. $5 \times \frac{2}{5}$

5. $18 \times \frac{1}{9}$

Mental Math

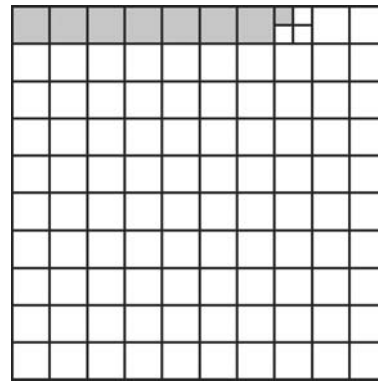
6. How could you do #5 using mental math?

Using the method you developed in #6, do #7 and #8.

7. $8 \times \frac{1}{4}$

8. $15 \times \frac{1}{5}$

9. Show this number as a percent and a decimal.



10. Show 105.3% as a decimal.

Section 6.4

Estimate and calculate each product for #1 to #3.

1. $\frac{3}{4} \times \frac{2}{5}$

2. $\frac{1}{6} \times \frac{1}{3}$

3. $\frac{5}{7} \times \frac{1}{2}$

Use manipulatives or diagrams to answer #4 and #5.

4. $\frac{2}{7} \div 4$

5. $\frac{1}{3} \div 12$

Mental Math

6. What is 150% of \$20?

7. What is 0.3% of \$2000?

8. What is 2.5% of \$60 000?

9. Determine $\sqrt{81}$.

10. Determine 11^2 .

Section 6.5

1. Express as a mixed number.
a) $\frac{18}{5}$ b) $\frac{23}{3}$
2. Express as an improper fraction.
a) $3\frac{3}{7}$ b) $1\frac{3}{11}$

Use a method of your choice for #3 to #5.

3. $1\frac{5}{7} \times 2\frac{1}{2}$
4. $\frac{2}{3} \times 3\frac{1}{4}$
5. $2\frac{1}{6} \times 4\frac{1}{3}$

Section 6.6

Use a method of your choice for #1 to #5.

1. $\frac{2}{3} \div \frac{3}{4}$
2. $\frac{1}{5} \div 2$
3. $5 \div \frac{4}{9}$
4. $1\frac{2}{11} \div \frac{4}{5}$
5. $3\frac{1}{2} \div 1\frac{2}{5}$

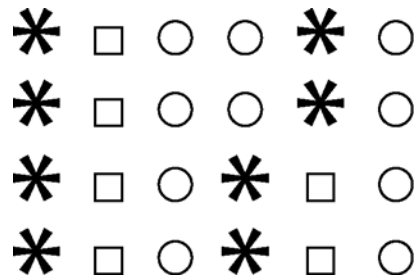
Mental Math

6. Cheese costs \$7.98 for 2 kg. What is the unit rate?

Mental Math

6. Estimate $\sqrt{74}$. Show your thinking.
7. Estimate $\sqrt{114}$. Show your thinking.
8. Estimate $\sqrt{38}$. Show your thinking.
9. Determine 12^2 .
10. Determine 13^2 .

Use this visual for #7 to #10.



7. What is the ratio of stars to circles to squares?
8. Express the ratio from #7 in lowest terms.
9. Express the ratio of stars to squares as a mixed number in lowest terms.
10. Express the ratio of squares to circles as a fraction in lowest terms.