ANSWER PRESENTATION TOOL

Green - Student Edition 2 Chapter Tes 1-20 ALL EVEN Show Solu

ODD

1.
$$\frac{9}{16} \times \frac{2}{3} = \frac{9 \times 2}{16 \times 3} = \frac{\cancel{3}{16} \times \cancel{1}{16}}{\cancel{1}{16} \times \cancel{1}{16}} = \frac{3}{8}$$

2.
$$\frac{1}{10} \times \frac{5}{6} = \frac{1 \times 5}{10 \times 6} = \frac{1 \times \cancel{5}}{\cancel{10} \times 6} = \frac{1}{12}$$

3.
$$1\frac{3}{7} \times 6\frac{7}{10} = \frac{10}{7} \times \frac{67}{10} = \frac{\cancel{10}{10} \times 67}{7 \times \cancel{10}{10}} = \frac{67}{7} = 9\frac{4}{7}$$

4.
$$\frac{1}{6} \div \frac{1}{3} = \frac{1}{6} \times 3 = \frac{1 \times \cancel{1}}{\cancel{1}{6}} = \frac{1}{2}$$

5.
$$10 \div \frac{2}{5} = 10 \times \frac{5}{2} = \frac{10 \times 5}{2} = \frac{10 \times 5}{2} = 25$$

6.
$$8\frac{3}{4} \div 2\frac{7}{8} = \frac{35}{4} \div \frac{23}{8}$$

 $= \frac{35}{4} \times \frac{8}{23}$
 $= \frac{35 \times \cancel{8}}{\cancel{4} \times 23}$
 $= \frac{35 \times \cancel{8}}{\cancel{4} \times 23}$
 $= \frac{70}{23}$
 $= 3\frac{1}{23}$

7.	1 1 4.92
	+3.79
	8.71

8.	5.138
	+ 2.624
	7.762

9.
$$\cancel{\cancel{3}}_{\cancel{3}}^{\cancel{12}}$$

10. 6.7 $\frac{\times 8}{53.6}$ $6.7 \times 8 = 53.6$ Estimate: $6.7 \times 8 \approx 7 \times 8 = 56$ 53.6 ≈ 56 ✓ **11.** 0.4 $\frac{\times 0.7}{0.28}$ $0.4 \times 0.7 = 0.28$ Estimate: $0.4 \times 0.7 \approx \frac{1}{2} \times \frac{1}{2} = \frac{1}{4} = 0.25$ 0.28 ≈ 0.25 ✓ 12. 7.23 <u>× 4.87</u> 5061 5784 2892 35.2101 $4.87 \times 7.23 = 35.2101$ Estimate: $4.87 \times 7.23 \approx 5 \times 7 = 35$ 35.2101 ≈ 35 ✓

13. $\frac{0.8}{7)5.6}$ $\frac{-56}{0}$ 5.6 ÷ 7 = 0.8 Estimate: 5.6 ÷ 7 ≈ 7 ÷ 7 = 1 0.8 ≈ 1 ✓

14.
$$0.02 2.60 \rightarrow 2 260 \\ -2 \\ 06 \\ -6 \\ 0 \\ 2.6 \div 0.02 = 130 \\ \text{Estimate: } 2.6 \div 0.02 \approx 3 \div \frac{2}{100} = 150 \\ 130 \approx 150 \checkmark$$

15.	2.33
	4)9.32
	-8
	13
	<u>-12</u>
	12
	<u>-12</u>
	0
	$9.32 \div 4 = 2.33$
	Estimate: 9.32 ÷ 4 \approx 8 ÷ 4 = 2
	2.33 ≈ 2 ✓

16. $0.25 5.46 \rightarrow 25 546.00$ $\frac{-50}{46}$ $\frac{-25}{210}$ $\frac{-200}{100}$ $\frac{-100}{0}$ 5.46 ÷ 0.25 = 21.84 Estimate: 5.46 ÷ 0.25 ≈ 5 ÷ $\frac{1}{4} = 20$ 21.84 ≈ 20 ✓

17. 2-pack: <u>12.495</u> 2)24.990	5-pack: <u>11.798</u> 5)58.990
$\frac{-2}{04}$	$\frac{-5}{08}$
$\frac{-4}{09}$	$\frac{-5}{39}$
$\frac{-8}{19}$	$\frac{-35}{49}$
$\frac{-18}{10}$	$\frac{-45}{40}$
$\frac{-10}{0}$	$\frac{-40}{0}$

The price per DVD for the 2-pack is \$12.50 and \$11.80 for the 5-pack. So, the 5-pack is the better buy.

1

18.
$$\frac{1}{5} \times 2\frac{1}{2} = \frac{1}{5} \times \frac{5}{2} = \frac{1 \times \cancel{5}}{\cancel{5} \times 2} = \frac{1}{2}$$

You spend $\frac{1}{2}$ hour writing your blog.

19. 2.34 $\times 1.99$ 2106 2106 <u>234</u> 4.6566 You pay \$4.66 for the grapes.

20. a.

$$0.125\overline{\smash{\big)}0.150} \rightarrow 125\overline{\smash{\big)}150.0}$$

 $-125\overline{250}$
 -250
 0

Your camera is 1.2 times faster than your friend's camera.

b. Your camera:

$$0.125)2.500 \rightarrow 125)2500$$

 $-2500 - 2500 = -2500 = 0$

Your friend's camera:

$$\begin{array}{r} \underbrace{16.66}_{0.15} \\ \underbrace{0.15}_{2.50} \\ 2.50}_{-15} \\ \xrightarrow{-15}_{100} \\ \underbrace{-90}_{100} \\ \underbrace{-90}_{100} \\ \underbrace{-90}_{10} \\ 100 \\ \underbrace{-90}_{10} \\ \end{array}$$

You can take 20 pictures, and your friend can take 16 pictures.

So, you can take 4 more pictures of the rider.