Name: .... Class: ....

Division with decimal quotient

1. Divide whole numbers by decimal divisors (follow the example).

a. $250 \div 0.8 = (250 \times 10) \div (0.8 \times 10)$

$= 2500 \div 8$

```
        3 1 2 . 5
  8  |  2 5 0 0 . 0
       - 2 4
          1 0
          - 8
            2 0
          - 1 6
              4 0
            - 4 0
                0
```

Answer

312.5

b. $150 \div 0.8 =$

2. In each case, tick the correct answer.

a. What will be the answer to the nearest thousandths after dividing **225** by **15.2** ?

☐ 148.03 ☐ 1.4803 ☐ 14,803 ☐ 44.803 ☐ 14.803

b. What will be the answer to the nearest tenths after dividing **157** by **0.8** ?

☐ 0.1963 ☐ 1,963 ☐ 196.25 ☐ 1.963 ☐ 19.63

c. What will be the answer after dividing **938** by **0.05** ?

☐ 1.876 ☐ 18,7600 ☐ 18.760 ☐ 18,760 ☐ 1,876.60

d. What will be the answer to the nearest hundreths after dividing **1,442** by **0.15** ?

☐ $9,613.\overline{33}$ ☐ $9,613.\overline{22}$ ☐ $9,913.\overline{22}$ ☐ $8,613.\overline{33}$ ☐ $9,513.\overline{22}$

mathskills4kids

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Division with decimal quotient

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$= 2500 \div 8$

```
       3 1 2 . 5
  8 | 2 5 0 0 . 0
      - 2 4
          1 0
          - 8
            2 0
          - 1 6
              4 0
            - 4 0
                0
```

Answer
312.5

b. $150 \div 0.8 = (150 \times 10) \div (0.8 \times 10)$

$= 1500 \div 8$

```
       1 8 7 . 5
  8 | 1 5 0 0 . 0
      - 8
        7 0
      - 6 4
          6 0
        - 5 6
            4 0
          - 4 0
              0
```

Answer
187.5

2. In each case, tick the correct answer.

a. What will be the answer to the nearest thousandths after dividing **225** by **15.2** ?

☐ 148.03   ☐ 1.4803   ☐ 14,803   ☐ 44.803   ☑ 14.803

b. What will be the answer to the nearest tenths after dividing **157** by **0.8** ?

☐ 0.1963   ☐ 1,963   ☑ 196.25   ☐ 1.963   ☐ 19.625

c. What will be the answer after dividing **938** by **0.05** ?

☐ 1.876   ☐ 18,7600   ☐ 18.760   ☑ 18,760   ☐ 1,876.60

d. What will be the answer to the nearest hundreths after dividing **1,442** by **0.15** ?

☑ $9,613.\overline{33}$ ☐ $9,613.\overline{22}$ ☐ $9,913.\overline{22}$ ☐ $8,613.\overline{33}$ ☐ $9,513.\overline{22}$