

HSPT Practice Questions



Day seven; keep working!

Sample questions – DAY SEVEN

***** MATH WORD PROBLEMS *****

If Jack runs east from Fort Worth, starting at Noon, and Bill bikes west from Dallas, starting at 1 p.m., at what time will they meet? Dallas and Fort Worth are 30 miles apart. Jack runs at 5 miles per hour, and Bill bikes at 20 miles per hour. Assume constant speeds (and no traffic congestion — a real stretch in the Metroplex, no?).

- 2 p.m.
- 2
- 2:30 p.m.
- 3 p.m.
- Answer not possible with information provided

Answer A. DRAW IT OUT!

Jack Noon Bill

What number taken away from 4×5 leaves four times the same number?

- 1
- 5
- $20/3$
- 4
- 2

Answer D. $(4 \times 5) - X = 4X$

$$20 - X = 4X$$

$$+X \quad +X$$

$$20 = 5X$$

$$/5 \quad /5$$

$$4 = X$$

Betty paid \$120 in tax on her new entertainment system. If the sales tax in her town is 6%, what was the total price at the register?

- \$200
- \$2,000
- \$2,120
- \$20,000
- \$2,600

Answer C.

$$\$120 = .06(X)$$

$$/ .06 \quad / .06$$

$$\$2000 = X$$

\$2000 + \$120 in sales tax means \$2120 was paid at register. (A little tricky? On purpose? Yes, they will do that.)

A loan for a used truck carried a 5% interest rate. Assuming a simple interest calculation over a five year loan period, if the owner pays \$150 in interest each year, what was the total price of the truck before the loan?

- \$15,000
- \$17,000
- \$20,000
- \$2,000
- \$13,000

Answer A.

$$\$150 \times 5 \text{ years} = \$750 \text{ in interest total}$$

$$\$750 = X(.05)$$

$$/ .05 \quad / .05$$

$$\$15,000 = X$$

Gospel Reading for today — *reminds us to be thankful for our blessings, and to have faith...always!*
[Luke 17:11-19](#)

As Jesus continued his journey to Jerusalem, he traveled through Samaria and Galilee. As he was entering a village, ten lepers met him. They stood at a distance from him and raised their voice, saying, "Jesus, Master! Have pity on us!" And when he saw them, he said, "Go show yourselves to the priests." As they were going they were cleansed. And one of them, realizing he had been healed,

returned, glorifying God in a loud voice; and he fell at the feet of Jesus and thanked him. He was a Samaritan. Jesus said in reply, "Ten were cleansed, were they not? Where are the other nine? Has none but this foreigner returned to give thanks to God?" Then he said to him, "Stand up and go; your faith has saved you."